

**AMS CHANGE REQUEST/DIRECTIVE**

1. CR/DIR Number: AMS-02 / D-35

2. Date: 03/31/2006

3. Change Title: Phase II Flight Safety Hazard Report Baseline - AMS-02-F19

4. Cost Impact: \_\_\_\_\_

5. Document(s) Affected: JSC 49978, "Phase II Flight Safety Data Package for the Alpha Magnetic Spectrometer – 02 (AMS-02)"

6. Weight Impact:

7. Schedule Impact:

8. Other Impacts:

## 9. Description Of Change:

Baseline Hazard Report AMS-02-F19 to be included in Appendix A of JSC 49978, "Phase II Flight Safety Data Package for the Alpha Magnetic Spectrometer – 02 (AMS-02)". This hazard report is unique among the others associated with the AMS-02 as once it was developed the hazard of excessive glare was established to be a non-hazard. To that end this CR requests formal designation for hazard report AMS-02-F19, "Excessive Glare" as Withdrawn.

## 10. Justification:

The hazard of excessive glare has been judged against documented requirements for the ISS and Shuttle program and established that the AMS-02 design does not violate any EVA or observational requirements for generating glare. The ISS safety community have not addressed reflective surfaces as a hazard, only as an operational timeline constraint. To that end the hazard is established as being a nuisance and not a hazard and should be withdrawn.

## 11. Action Required (To Implement This Change):

CCB agreement not to proceed with AMS-02-F19 as a hazard, and designnate this hazard as officially withdrawn. The Hazard Report Number and Hazard Report Title will continue to be tracked as a covered item and the status of "Withdrawn" will be associated with them.

12. Initiator/Organization: Leland Hill/ESCG

13. Organization Approval: EA

## 14. Disposition:

- ☐ Deferred  
☒ Approved  
☐ Approved With Changes Indicated  
☐ Disapproved

15. Approval: \_\_\_\_\_

CCB Chairman/Date

**AMS CHANGE REQUEST/DIRECTIVE  
EVALUATOR LIST**

1. CRN: AMS-02 / D-

2. Page    of

3. Title:

☒ Configuration Control Board (CCB) Members

Flight Crew Operations Directorate (CA)

☐ Astronaut Office (CB)

☐ Mission Operations Directorate (DA)

Engineering Directorate (EA)

☐ Crew and Thermal Systems Division (EC)

☐ Structural Engineering Division (ES)

☐ Energy Systems Division (EP)

☐ Avionics Systems Division (EV)

☐ Automation, Robotics, & Simulation Division (ER)

☐ Space Shuttle Program (MA)

☐ Space Shuttle Flight Operations & Integration Office (MO)

International Space Station Program Office (OA)

☐ Vehicle Office (OB)

☐ Program Integration Office (OM)

☐ Mission Integration & Operations Office (OC)

☒ Payloads Office (OZ)

Other NASA Centers

☐ Goddard Space Flight Center (GSFC)

☐ Marshall Space Flight Center (MSFC)

☐ Kennedy Space Center (KSC)

Others

☒ Mike Capell, MIT

☒ Stephen Harrison, SCL

☒ Marco Molina, CGS

☒ Wolfgang Wallraff, RWTH Aachen

☒ Klaus Lübelmeyer, RWTH Aachen

☒ Paolo Trampus, CARSO

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☒ Joe Burger, MIT

☒ Johannes Van Es, NLR